

## **Mathematics**

### **TEACHING ALGEBRA WITH PUZZLE SOFTWARE**

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We will discuss how puzzles, both physical and computerized simulations, can be used as a tool for teaching and learning mathematics at the secondary level. We believe that puzzles can provide a bridge to the formation of concepts such as permutations, cycles, parity, etc. We will demonstrate both physical and computerized puzzles, and will show how these tools make it possible to introduce concepts at a younger age.